

IN THE SPECIFICATION:

In order to comply with requirements for patent applications containing nucleotide sequence and/or amino acid sequence disclosures, please amend the specification in adherence with rules 37 C.F.R. §1.821-1.825 as follows: Please amend the paragraphs relating to Tables 13-31 and 40-89 on pages 13-20 by adding the parentheticals relating to the SEQ ID Nos. as follows:

Table 13 lists the polynucleotide sequences (Nos. 1301-1316 corresponding to SEQ ID Nos: 1-16) of the 11 strains relating to GBS ORF SAG0466. An alignment of each of the sequences is also included.

Table 14 lists the polynucleotide sequences (Nos. 1401-1417 corresponding to SEQ ID Nos: 17-33) of the 11 strains relating to GBS ORF SAG0471. An alignment of each of the sequences is also included.

Table 15 lists the polynucleotide sequences (Nos. 1501-1511 corresponding to SEQ ID Nos: 34-44) of the 11 strains relating to GBS ORF SAG0492. An alignment of each of the sequences is also included.

Table 16 lists the polynucleotide sequences (Nos. 1601-1617 corresponding to SEQ ID Nos: 45-61) of the 11 strains relating to GBS ORF SAG0767. An alignment of each of the sequences is also included.

Table 17 lists the polynucleotide sequences (Nos. 1701-1711 corresponding to SEQ ID Nos: 62-72) of the 11 strains relating to GBS ORF SAG1086. An alignment of each of the sequences is also included.

Table 18 lists the polynucleotide sequences (Nos. 1801-1814 corresponding to SEQ ID Nos: 73-86) of the 11 strains relating to GBS ORF SAG1600. An alignment of each of the sequences is also included.

Table 19 lists the polynucleotide sequences (Nos. 1901-1914 corresponding to SEQ ID Nos: 87-100) of the 11 strains relating to GBS ORF SAG1680. An alignment of each of the sequences is also included.

Table 20 lists the polynucleotide sequences (Nos. 2001-2010 corresponding to SEQ ID Nos: 101-110) of the 11 strains relating to GBS ORF SAG1723. An alignment of each of the sequences is also included.

Table 21 lists the polynucleotide and polypeptide sequences (Nos. 2101-2124 corresponding to SEQ ID Nos: 111-134) of the 11 strains relating to GBS ORF SAG0079. An alignment of each of the sequences is also included.

Table 22 lists the polynucleotide and polypeptide sequences (Nos. 2201-2222 corresponding to SEQ ID Nos: 135-156) of the 11 strains relating to GBS ORF SAG0093. An alignment of each of the sequences is also included.

Table 23 lists the polynucleotide and polypeptide sequences (Nos. 2301-2323 corresponding to SEQ ID Nos: 157-179) of the 11 strains relating to GBS ORF SAG0163. An alignment of each of the sequences is also included.

Table 24 lists the polynucleotide and polypeptide sequences (Nos. 2401-2422 corresponding to SEQ ID Nos: 180-201) of the 11 strains relating to GBS ORF SAG0290. An alignment of each of the sequences is also included.

Table 25 lists the polynucleotide and polypeptide sequences (Nos. 2501-2521 corresponding to SEQ ID Nos: 202-222) of the 11 strains relating to GBS ORF SAG0368. An alignment of each of the sequences is also included.

Table 26 lists the polynucleotide and polypeptide sequences (Nos. 2601-2618 corresponding to SEQ ID Nos: 223-240) of the 11 strains relating to GBS ORF SAG0503. An alignment of each of the sequences is also included.

Table 27 lists the polynucleotide and polypeptide sequences (Nos. 2701-2722 corresponding to SEQ ID Nos: 241-262) of the 11 strains relating to GBS ORF SAG1473. An alignment of each of the sequences is also included.

Table 28 lists the polynucleotide and polypeptide sequences (Nos. 2801-2822 corresponding to SEQ ID Nos: 263-284) of the 11 strains relating to GBS ORF SAG1552. An alignment of each of the sequences is also included.

Table 29 lists the polynucleotide and polypeptide sequences (Nos. 2901-2922 corresponding to SEQ ID Nos: 285-306) of the 11 strains relating to GBS ORF SAG1641. An alignment of each of the sequences is also included.

Table 30 lists the polynucleotide and polypeptide sequences (Nos. 3001-3020 corresponding to SEQ ID Nos: 307-326) of the 11 strains relating to GBS ORF SAG2147. An alignment of each of the sequences is also included.

Table 31 lists the polynucleotide and polypeptide sequences (Nos. 3101-3122 corresponding to SEQ ID Nos: 327-348) of the 11 strains relating to GBS ORF SAG2148. An alignment of each of the sequences is also included.

Table 40 lists the polynucleotide and polypeptide sequences (Nos. 4001-4018 corresponding to SEQ ID Nos: 349-366) of 8 strains relating to GBS ORF SAG0635. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 41 lists the polynucleotide and polypeptide sequences (Nos. 4101-4118 corresponding to SEQ ID Nos: 367-384) of 8 strains relating to GBS ORF SAG0649. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 42 lists the polynucleotide and polypeptide sequences (Nos. 4201-4222 corresponding to SEQ ID Nos: 385-406) of 10 strains relating to GBS ORF SAG0764. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 43 lists the polynucleotide and polypeptide sequences (Nos. 4301-4323 corresponding to SEQ ID Nos: 407-429) of 10 strains relating to GBS ORF SAG0079. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 44 lists the polynucleotide and polypeptide sequences (Nos. 4401-4422 corresponding to SEQ ID Nos: 430-451) of 10 strains relating to GBS ORF SAG0416. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 45 lists the polynucleotide and polypeptide sequences (Nos. 4501-4511 corresponding to SEQ ID Nos: 452-462) of 5 strains relating to GBS ORF SAG1404. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 46 lists the polynucleotide and polypeptide sequences (Nos. 4601-4623 corresponding to SEQ ID Nos: 463-485) of 10 strains relating to GBS ORF SAG1615. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 47 lists the polynucleotide and polypeptide sequences (Nos. 4701-4722 corresponding to SEQ ID Nos: 486-507) of 10 strains relating to GBS ORF SAG0739. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 48 lists the polynucleotide and polypeptide sequences (Nos. 4801-4824 corresponding to SEQ ID Nos: 508-531) of 10 strains relating to GBS ORF SAG1474. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 49 lists the polynucleotide and polypeptide sequences (Nos. 4901-4922 corresponding to SEQ ID Nos: 532-553) of 10 strains relating to GBS ORF SAG1502. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 50 lists the polynucleotide and polypeptide sequences (Nos. 5001-5006 corresponding to SEQ ID Nos: 554-559) of 2 strains relating to GBS ORF SAG1024. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 51 lists the polynucleotide and polypeptide sequences (Nos. 5101-5117 corresponding to SEQ ID Nos: 560-576) of 7 strains relating to GBS ORF SAG0677. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 52 lists the polynucleotide and polypeptide sequences (Nos. 5201-5223 corresponding to SEQ ID Nos: 577-599) of 10 strains relating to GBS ORF SAG1823. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 53 lists the polynucleotide and polypeptide sequences (Nos. 5301-5322 corresponding to SEQ ID Nos: 600-621) of 10 strains relating to GBS ORF SAG0755. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 54 lists the polynucleotide and polypeptide sequences (Nos. 5401-5422 corresponding to SEQ ID Nos: 622-643) of 10 strains relating to GBS ORF SAG0949. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 55 lists the polynucleotide and polypeptide sequences (Nos. 5501-5522 corresponding to SEQ ID Nos: 644-665) of 10 strains relating to GBS ORF SAG1592. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 56 lists the polynucleotide and polypeptide sequences (Nos. 5601-5622 corresponding to SEQ ID Nos: 666-687) of 10 strains relating to GBS ORF SAG0806. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 57 lists the polynucleotide and polypeptide sequences (Nos. 5701-5722 corresponding to SEQ ID Nos: 688-709) of 10 strains relating to GBS ORF SAG1488. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 58 lists the polynucleotide and polypeptide sequences (Nos. 5801-5821 corresponding to SEQ ID Nos: 710-730) of 10 strains relating to GBS ORF SAG0182. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 59 lists the polynucleotide and polypeptide sequences (Nos. 5901-5923 corresponding to SEQ ID Nos: 731-753) of 10 strains relating to GBS ORF SAG2147. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 60 lists the polynucleotide and polypeptide sequences (Nos. 6001-6022 corresponding to SEQ ID Nos: 754-775) of 10 strains relating to GBS ORF SAG1945. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 61 lists the polynucleotide and polypeptide sequences (Nos. 6101-6106 corresponding to SEQ ID Nos: 776-781) of 2 strains relating to GBS ORF SAG1030. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 62 lists the polynucleotide and polypeptide sequences (Nos. 6201-6222 corresponding to SEQ ID Nos: 782-803) of 10 strains relating to GBS ORF SAG0690. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 63 lists the polynucleotide and polypeptide sequences (Nos. 6301-6321 corresponding to SEQ ID Nos: 804-824) of 10 strains relating to GBS ORF SAG1912. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 64 lists the polynucleotide and polypeptide sequences (Nos. 6401-6423 corresponding to SEQ ID Nos: 825-847) of 10 strains relating to GBS ORF SAG0827. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 65 lists the polynucleotide and polypeptide sequences (Nos. 6501-6518 corresponding to SEQ ID Nos: 848-865) of 8 strains relating to GBS ORF SAG0231. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 66 lists the polynucleotide and polypeptide sequences (Nos. 6601-6622 corresponding to SEQ ID Nos: 866-887) of 10 strains relating to GBS ORF SAG0754. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 67 lists the polynucleotide and polypeptide sequences (Nos. 6701-6721 corresponding to SEQ ID Nos: 888-908) of 10 strains relating to GBS ORF SAG0475. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 68 lists the polynucleotide and polypeptide sequences (Nos. 6801-6822 corresponding to SEQ ID Nos: 909-930) of 10 strains relating to GBS ORF SAG0499. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 69 lists the polynucleotide and polypeptide sequences (Nos. 6901-6922 corresponding to SEQ ID Nos: 931-952) of 10 strains relating to GBS ORF SAG0032. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 70 lists the polynucleotide and polypeptide sequences (Nos. 7001-7006 corresponding to SEQ ID Nos: 953-958) of 2 strains relating to GBS ORF SAG1280. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 71 lists the polynucleotide and polypeptide sequences (Nos. 7101-7122 corresponding to SEQ ID Nos: 959-980) of 10 strains relating to GBS ORF SAG1333. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 72 lists the polynucleotide and polypeptide sequences (Nos. 7201-7222 corresponding to SEQ ID Nos: 981-1002) of 10 strains relating to GBS ORF SAG0941. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 73 lists the polynucleotide and polypeptide sequences (Nos. 7301-7320 corresponding to SEQ ID Nos: 1003-1022) of 10 strains relating to GBS ORF SAG0981. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 74 lists the polynucleotide and polypeptide sequences (Nos. 7401-7422 corresponding to SEQ ID Nos: 1023-1044) of 10 strains relating to GBS ORF SAG1572. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 75 lists the polynucleotide and polypeptide sequences (Nos. 7501-7522 corresponding to SEQ ID Nos: 1045-1066) of 10 strains relating to GBS ORF SAG0671. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 76 lists the polynucleotide and polypeptide sequences (Nos. 7601-7622 corresponding to SEQ ID Nos: 1067-1088) of 10 strains relating to GBS ORF SAG0260. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 77 lists the polynucleotide and polypeptide sequences (Nos. 7701-7722 corresponding to SEQ ID Nos: 1089-1110) of 10 strains relating to GBS ORF SAG2059. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 78 lists the polynucleotide and polypeptide sequences (Nos. 7801-7822 corresponding to SEQ ID Nos: 1111-1132) of 10 strains relating to GBS ORF SAG1016. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 79 lists the polynucleotide and polypeptide sequences (Nos. 7901-7922 corresponding to SEQ ID Nos: 1133-1154) of 10 strains relating to GBS ORF SAG2150. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 80 lists the polynucleotide and polypeptide sequences (Nos. 8001-8006 corresponding to SEQ ID Nos: 1155-1160) of 2 strains relating to GBS ORF SAG1266. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 81 lists the polynucleotide and polypeptide sequences (Nos. 8101-8122 corresponding to SEQ ID Nos: 1161-1182) of 10 strains relating to GBS ORF SAG0011. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 82 lists the polynucleotide and polypeptide sequences (Nos. 8201-8222 corresponding to SEQ ID Nos: 1183-1204) of 10 strains relating to GBS ORF SAG0165. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 83 lists the polynucleotide and polypeptide sequences (Nos. 8301-8322 corresponding to SEQ ID Nos: 1205-1226) of 10 strains relating to GBS ORF SAG0108. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 84 lists the polynucleotide and polypeptide sequences (Nos. 8401-8422 corresponding to SEQ ID Nos: 1227-1248) of 10 strains relating to GBS ORF SAG0267. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 85 lists the polynucleotide and polypeptide sequences (Nos. 8501-8522 corresponding to SEQ ID Nos: 1249-1270) of 10 strains relating to GBS ORF SAG1361. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 86 lists the polynucleotide and polypeptide sequences (Nos. 8601-8622 corresponding to SEQ ID Nos: 1271-1292) of 10 strains relating to GBS ORF SAG1393. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 87 lists the polynucleotide and polypeptide sequences (Nos. 8701-8718 corresponding to SEQ ID Nos: 1293-1310) of 8 strains relating to GBS ORF SAG0645. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 88 lists the polynucleotide and polypeptide sequences (Nos. 8801-8822 corresponding to SEQ ID Nos: 1311-1332) of 10 strains relating to GBS ORF SAG0477. An alignment of the polynucleotide and polypeptide sequences is also included.

Table 89 lists the polynucleotide and polypeptide sequences (Nos. 8901-8922 corresponding to SEQ ID Nos: 1333-1354) of 10 strains relating to GBS ORF SAG1350. An alignment of the polynucleotide and polypeptide sequences is also included.